

Title (en)

AC traction motor with drive end bearing assembly for locomotive

Title (de)

Antriebslagervorrichtung für Wechselstrommotor für Lokomotive

Title (fr)

Palier de sortie pour moteur de traction à courant alternatif utilisé dans une locomotive

Publication

EP 0656680 B1 19980204 (EN)

Application

EP 94308736 A 19941125

Priority

US 16051593 A 19931201

Abstract (en)

[origin: US5387039A] A pinion end bearing assembly for supporting and sealing about a shaft which extends through the frame of a traction motor, such as an AC traction motor. The assembly having a rearward end plate assembly attached to the frame, a housing attached to the frame, the shaft extending through the housing and a rotatable element attached to and circumscribing the shaft between the housing and shaft. The rotatable element and the housing adapted to form a series of three labyrinth seals to restrain the flow of air from within the motor to a bearing chamber with the seals being separated by venting chambers to vent to a low pressure reservoir any air which may flow through the labyrinth seals.

IPC 1-7

H02K 5/173; H02K 5/124; H02K 7/08; F16C 33/80; F16C 33/76; F16C 33/66

IPC 8 full level

B61C 9/38 (2006.01); **B61C 9/48** (2006.01); **B61F 15/26** (2006.01); **F16C 33/80** (2006.01); **F16J 15/447** (2006.01)

CPC (source: EP US)

B61C 9/48 (2013.01 - EP US); **F16C 33/80** (2013.01 - EP US); **F16J 15/4476** (2013.01 - EP US); **F16C 19/26** (2013.01 - EP); **F16C 2326/10** (2013.01 - EP)

Cited by

DE10322027A1; DE10322027B4; WO2024141171A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 5387039 A 19950207; CA 2135546 A1 19950602; CA 2135546 C 20040810; DE 69408420 D1 19980312; DE 69408420 T2 19980813; EP 0656680 A1 19950607; EP 0656680 B1 19980204; JP H07259868 A 19951009

DOCDB simple family (application)

US 16051593 A 19931201; CA 2135546 A 19941110; DE 69408420 T 19941125; EP 94308736 A 19941125; JP 29357994 A 19941129